

THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

Inventor : Garrie D. Huisenga

Appln. No. : 10/635,944

Filed : August 7, 2003

For : PROCESS DEVICE WITH
QUIESCENT DIAGNOSTICS

Docket No.: R11.12-0790

Group Art Unit: 2858

Examiner: *Nancy Lee*

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231
Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the foreign patents and/or publications cited are enclosed.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this communication is enclosed.

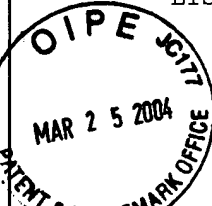
Respectfully submitted,

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FORM PTO-1449	Atty. Docket No.: R11.12-0790	Appl. No.: 10/635,944
 <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>	First Named Inventor:	
	Garrie D. Huisenga	
	Filing Date August 7, 2003	Group Art: 2858

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	Re.29,383	09/06/77	Gallatin et al.	137	14	
AB	3,096,434	07/02/63	King	235	151	
AC	3,404,264	10/01/68	Kugler	235	194	
AD	3,468,164	09/23/69	Sutherland	73	343	
AE	3,590,370	06/29/71	Fleischer	324	51	
AF	3,688,190	08/29/72	Blum	324	61R	
AG	3,691,842	09/19/72	Akeley	73	398C	
AH	3,701,280	10/31/72	Stroman	73	194	
AI	3,973,184	08/03/76	Raber	324	51	
AJ	4,058,975	11/22/77	Gilbert et al.	60	39.28	
AK	4,099,413	07/11/78	Ohte et al.	73	359	
AK	4,102,199	07/25/78	Talpouras	73	362	
AL	4,122,719	10/31/78	Carlson et al.	73	342	
AM	4,250,490	02/10/81	Dahlke	340	870.37	
AN	4,337,516	06/29/82	Murphy et al.	364	551	
AO	4,399,824	08/23/83	Davidson	128	736	
AP	4,517,468	05/14/85	Kemper et al.	290	52	
AQ	4,528,869	07/16/85	Kubo et al.	74	695	
AR	4,530,234	07/23/85	Cullick et al.	73	53	
AS	4,571,689	02/18/86	Hildebrand et al.	364	481	
AT	4,635,214	01/06/87	Kasai et al.	364	551	
AU	4,642,782	02/10/87	Kemper et al.	364	550	
AV	4,644,479	02/17/87	Kemper et al.	364	550	
AW	4,649,515	03/10/87	Thompson et al.	364	900	
AX	4,707,796	11/17/87	Calabro et al.	364	552	
AY	4,736,367	05/05/88	Wroblewski et al.	370	85	

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
	BA	4,777,585	10/11/88	Kokawa et al.	364	164
	BB	4,807,151	02/21/89	Citron	364	510
	BC	4,831,564	05/16/89	Suga	364	551.01
	BD	4,841,286	06/20/89	Kummer	340	653
	BE	4,873,655	10/10/89	Kondraske	364	553
	BF	4,907,167	03/06/90	Skeirik	364	500
	BG	4,924,418	05/08/90	Backman et al.	364	550
	BH	4,934,196	06/19/90	Romano	73	861.38
	BI	4,939,753	07/03/90	Olson	375	107
	BJ	4,964,125	10/16/90	Kim	371	15.1
	BK	4,988,990	01/29/91	Warrior	340	25.5
	BL	4,992,965	02/12/91	Holter et al.	364	551.01
	BM	5,005,142	04/02/91	Lipchak et al.	364	550
	BN	5,019,760	05/28/91	Chu et al.	318	490
	BO	5,043,862	08/27/91	Takahashi et al.	364	162
	BP	5,053,815	10/01/91	Wendell	355	208
	BQ	5,067,099	11/19/91	McCown et al.	364	550
	BR	5,081,598	01/14/92	Bellows et al.	364	550
	BS	5,089,984	02/18/92	Struger et al.	395	650
	BT	5,098,197	03/24/92	Shepard et al.	374	120
	BU	5,099,436	03/24/92	McCown et al.	364	550
	BV	5,103,409	04/07/92	Shimizu et al.	364	556
	BW	5,111,531	05/05/92	Grayson et al.	395	23
	BX	5,121,467	06/09/92	Skeirik	395	11
	BY	5,122,794	06/16/92	Warrior	340	825.2

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	CA	5,122,976	06/16/92	Bellows et al.	364	550
	CB	5,130,936	07/14/92	Sheppard et al.	364	551.01
	CC	5,134,574	07/28/92	Beaverstock et al.	364	551.01
	CD	5,137,370	08/11/92	McCulloch et al.	374	173
	CE	5,142,612	08/25/92	Skeirik	395	11
	CF	5,143,452	09/01/92	Maxedon et al.	374	170
	CG	5,148,378	09/15/92	Shibayama et al.	364	551.07
	CH	5,167,009	11/24/92	Skeirik	395	27
	CI	5,175,678	12/29/92	Frerichs et al.	364	148
	CJ	5,193,143	03/09/93	Kaemmerer et al.	395	51
	CK	5,197,114	03/23/93	Skeirik	395	22
	CL	5,197,328	03/30/93	Fitzgerald	73	168
	CM	5,212,765	05/18/93	Skeirik	395	11
	CN	5,214,582	05/25/93	Gray	364	424.03
	CO	5,224,203	06/29/93	Skeirik	395	22
	CP	5,228,780	07/20/93	Shepard et al.	374	175
	CQ	5,235,527	08/10/93	Ogawa et al.	364	571.05
	CR	5,265,031	11/23/93	Malczewski	364	497
	CS	5,265,222	11/23/93	Nishiya et al.	395	3
	CT	5,269,311	12/14/93	Kirchner et al.	128	672
	CU	5,274,572	12/28/93	O'Neill et al.	364	550
	CV	5,282,131	01/25/94	Rudd et al.	364	164
	CW	5,282,261	01/25/94	Skeirik	395	22
	CX	5,293,585	03/08/94	Morita	395	52
	CY	5,303,181	04/12/94	Stockton	365	96

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DA	5,305,230	04/19/94	Matsumoto et al.	364	495	
DB	5,311,421	05/10/94	Nomura et al.	364	157	
DC	5,317,520	05/31/94	Castle	364	482	
DD	5,327,357	07/05/94	Feinstein et al.	364	502	
DE	5,333,240	07/26/94	Matsumoto et al.	395	23	
DF	5,347,843	09/20/94	Orr et al.	73	3	
DG	5,349,541	09/20/94	Alexandro, Jr. et al.	364	578	
DH	5,357,449	10/18/94	Oh	364	551.01	
DI	5,361,628	11/08/94	Marko et al.	73	116	
DJ	5,365,423	11/15/94	Chand	364	140	
DK	5,367,612	11/22/94	Bozich et al.	395	22	
DL	5,384,699	01/24/95	Levy et al.	364	413.13	
DM	5,386,373	01/31/95	Keeler et al.	364	577	
DN	5,394,341	02/28/95	Kepner	364	551.01	
DO	5,394,543	02/28/95	Hill et al.	395	575	
DP	5,404,064	04/04/95	Mermelstein et al.	310	319	
DQ	5,408,406	04/18/95	Mathur et al.	364	163	
DR	5,408,586	04/18/95	Skeirik	395	23	
DS	5,414,645	05/09/95	Hirano	364	551.01	
DT	5,419,197	05/30/95	Ogi et al.	73	659	
DU	5,430,642	07/04/95	Nakajima et al.	364	148	
DV	5,440,478	08/08/95	Fisher et al.	364	188	
DW	5,442,639	08/15/95	Crowder et al.	371	20.1	
DX	5,467,355	11/14/95	Umeda et al.	364	571.04	
DY	5,469,070	11/21/95	Koluvek	324	713	

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EA	5,469,156	11/21/95	Kogura	340	870.38	
EB	5,469,735	11/28/95	Watanabe	73	118.1	
EC	5,481,199	01/02/96	Anderson et al.	324	705	
ED	5,483,387	01/09/96	Bauhahn et al.	359	885	
EE	5,485,753	01/23/96	Burns et al.	73	720	
EF	5,486,996	01/23/96	Samad et al.	364	152	
EG	5,488,697	01/30/96	Kaemmerer et al.	395	51	
EH	5,489,831	02/06/96	Harris	318	701	
EI	5,495,769	05/03/96	Broden et al.	73	718	
EJ	5,510,799	04/23/96	Maltby et al.	340	870.300	
EK	5,511,004	04/23/96	Dubost et al.	364	551.01	
EK	5,548,528	08/20/96	Keeler et al.	364	497	
EL	5,561,599	10/01/96	Lu	364	164	
EM	5,570,300	10/29/96	Henry et al.	364	551.01	
EN	5,572,420	11/05/96	Lu	364	153	
EO	5,573,032	11/12/96	Lenz et al.	137	486	
EP	5,598,521	01/28/97	Kilgore et al.	395	326	
EQ	5,600,148	02/04/97	Cole et al.	250	495.1	
ER	5,623,605	04/22/97	Keshav et al.	395	200.17	
ES	5,637,802	06/10/97	Frick et al.	73	724	
ET	5,640,491	06/17/97	Bhat et al.	395	22	
EU	5,661,668	08/26/97	Yemini et al.	364	550	
EV	5,665,899	07/09/97	Willcox	73	1.63	
EW	5,669,713	09/23/97	Schwartz et al.	374	1	
EX	5,671,335	09/23/97	Davis et al.	395	23	
EY	5,675,504	10/07/97	Serodes et al.	364	496	

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FA	5,675,724	10/07/97	Beal et al.	395	182.02	
FB	5,680,109	10/21/97	Lowe et al.	340	608	
FC	5,700,090	12/23/97	Eryurek	374	210	
FD	5,703,575	12/30/97	Kirpatrick	340	870.17	
FE	5,704,011	12/30/97	Hansen et al.	395	22	
FF	5,705,978	01/06/98	Frick et al.	340	511	
FG	5,708,585	01/13/98	Kushion	364	431.061	
FH	5,710,708	01/20/98	Wiegand	364	470.1	
FI	5,713,668	02/03/98	Lunghofer et al.	374	179	
FJ	5,719,378	02/17/98	Jackson, Jr. et al.	219	497	
FK	5,741,074	04/21/98	Wang et al.	374	185	
FK	5,742,845	04/21/98	Wagner	395	831	
FL	5,746,511	05/05/98	Eryurek et al.	374	2	
FM	5,752,008	05/12/98	Bowling	395	500	
FN	5,764,891	06/09/98	Warrior	395	200.2	
FO	5,781,878	07/14/98	Mizoguchi et al.	701	109	
FP	5,801,689	09/01/98	Huntsman	345	329	
FQ	5,805,442	09/08/98	Crater et al.	364	138	
FR	5,828,567	10/27/98	Eryurek et al.	700	79	
FS	5,829,876	11/03/98	Schwartz et al.	374	1	
FT	5,848,383	12/08/98	Yuuns	702	102	
FU	5,859,964	01/12/99	Wang et al.	395	185.01	
FV	5,876,122	03/02/99	Eryurek	374	183	
FW	5,880,376	03/09/99	Sai et al.	73	861.08	
FX	5,887,978	03/30/99	Lunghofer et al.	374	179	
FY	5,923,557	07/13/99	Eidson	364	471.03	

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	GA	5,924,086	07/13/99	Mathur et al.	706	25
	GB	5,926,778	07/20/99	Pöppel	702	130
	GC	5,940,290	08/17/99	Dixon	364	138
	GD	5,956,663	09/21/99	Eryurek et al.	702	183
	GE	5,970,430	10/19/99	Burns et al.	702	122
	GF	6,014,902	01/18/00	Lewis et al.	73	861.12
	GG	6,016,523	01/18/00	Zimmerman et al.	710	63
	GH	6,016,706	01/25/00	Yamamoto et al.	9	6
	GI	6,017,143	01/25/00	Eryurek et al.	700	51
	GJ	6,038,579	03/14/00	Sekine	708	400
	GK	6,045,260	04/04/00	Schwartz et al.	374	183
	GL	6,047,220	04/04/00	Eryurek et al.	700	28
	GM	6,047,222	04/04/00	Burns et al.	700	79
	GN	6,052,655	04/18/00	Kobayashi et al.	702	184
	GO	6,119,047	09/12/00	Eryurek et al.	700	28
	GP	6,119,529	07/19/00	Di Marco et al.	73	861.68
	GQ	6,151,560	11/21/00	Jones	702	58
	GR	6,192,281	01/20/01	Brown et al.	700	2
	GS	6,195,591	01/27/01	Nixon et al.	700	2
	GT	6,199,018	03/06/01	Quist et al.	702	34
	GU	6,236,948	05/22/01	Eck et al.	702	45
	GV	6,263,487	07/17/01	Stripf et al.	717	1
	GW	6,298,377	10/02/01	Hartikainen et al.	709	223
	GX	6,311,136	10/30/01	Henry et al.	702	45
	GY	6,327,914	12/11/01	Dutton	73	861.356

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TA	3,618,592		Stewart	128	2.05R	
TB	3,855,858	12/24/74	Cushing	73	194 EM	
TC	4,668,473	05/26/87	Agarwal	422	62	
TD	4,720,806	01/19/88	Schippers et al.	364	551	
TE	4,736,763	04/12/88	Britton et al.	137	10	
TF	4,818,994	04/1989	Orth et al.	340	501	
TG	5,089,979	02/18/92	McEachern et al.	364	571.04	
TH	5,388,465	02/14/95	Okaniwa et al.	73	861.17	
TI	5,365,787	11/22/94	Hernandez et al.	73	660	
TJ	5,436,705	07/25/95	Raj	355	246	
TK	5,526,293	06/11/96	Mozumder et al.	364	578	
TL	5,539,638	07/23/96	Keeler et al.	364	424.03	
TM	5,560,246	10/01/96	Bottinger et al.	73	861.15	
TN	5,591,922	01/07/97	Segeral et al.	73	861.04	
TO	5,608,650	03/04/97	McClendon et al.	364	510	
TP	5,633,809	05/27/97	Wissenbach et al.	364	510	
TQ	5,708,211	01/13/98	Jepson et al.	73	861.04	
TR	5,710,370	01/20/98	Shanahan et al.	73	1.35	
TS	5,736,649	04/07/98	Kawasaki et al.	73	861.23	
TT	5,747,701	05/05/98	Marsh et al.	73	861.23	
TU	5,817,950	10/06/98	Wiklund et al.	73	861.66	
TV	5,908,990	06/01/99	Cummings	73	861.22	
TW	5,936,514	08/10/99	Anderson et al.	340	310.01	
TX	6,139,180	10/31/00	Usher et al.	374	1	
TY	6,360,277	03/19/02	Ruckley et al.	09	250	
TZ	6,425,038	07/23/02	Sprecher	710	269	

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HA	09/169,873	10/12/98	Eryurek et al.			
HB	09/175,832	10/19/98	Eryurek et al.			
HC	09/257,896	02/25/99	Eryurek et al.			
HD	09/303,869	05/03/99	Eryurek et al.			
HE	09/335,212	06/17/99	Kirkpatrick et al.			
HF	09/344,631	06/25/99	Eryurek et al.			
HG	09/360,473	07/23/99	Eryurek et al.			
HH	09/369,530	08/06/99	Eryurek et al.			
HI	09/383,828	08/27/99	Eryurek et al.			
HJ	09/384,876	08/27/99	Eryurek et al.			
HK	09/406,263	09/24/99	Kirkpatrick et al.			
HL	09/409,098	09/30/99	Eryurek et al.			
HM	09/409,114	09/30/99	Eryurek et al.			
HN	09/565,604	05/04/00	Eryurek et al.			
HO	09/576,450	05/23/00	David L. Wehrs			
HP	09/606,259	06/29/00	Evren Eryurek			
HQ	09/616,118	07/14/00	Eryurek et al.			
HR	09/627,543	07/28/00	Eryurek et al.			
HS	09/576,719	05/23/00	Coursolle et al.			
HT	09/799,824	03/05/01	Rome et al.			
HU	09/855,179	05/14/01	Eryurek et al.			
HV	09/852,102	05/09/01	Eryurek et al.			
HW						
HX						
HY						

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	Garrie D. Huisenga	
	Filing Date	Group Art:
	August 7, 2003	2858

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
	IA	WO 94/25933	11/10/94	WIPO			X
	IB	WO 96/11389	04/18/96	WIPO			X
	IC	WO 96/12993	05/02/96	WIPO			X
	ID	WO 96/39617	12/12/96	WIPO			X
	IE	WO 97/21157	06/12/97	WIPO			X
	IF	WO 97/25603	07/17/97	WIPO			X
	IG	WO 98/06024	02/12/98	WIPO			X
	IH	WO 98/13677	04/1998	WIPO			X
	II	WO 98/20469	05/14/98	WIPO			X
	IJ	WO 98/39718	09/11/98	WIPO			X
	IK	WO 99/19782	04/22/99	WIPO			X
	IL	WO 00/55700	09/21/00	WIPO			X
	IM	WO 00/70531	11/23/00	WIPO			X
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	IO	0 413 814 A1	02/27/91	EPO			X
	IP	0 487 419 A2	05/27/92	EPO			X
	IQ	0 512 794 A2	11/11/92	EPO			X
	IR	0 594 227 A1	04/27/94	EPO			X
	IS	0 624 847 A1	11/17/94	EPO			X (Abstract)
	IT	0 644 470 A2	03/22/95	EPO			X
	IU	0 807 804 A2	19/11/97	EPO			X
	IV	0 825 506 A2	07/14/97	EPO			X
	IW	0 827 096 A2	09/01/97	EPO			X
	IX	0 838 768 A2	09/24/97	EPO			X
	IY	1 022 626 A2	07/26/00	EPO			X
	IZ	1 058 093 A1	05/29/99	EPO			(Abstract Only)

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	JB	59-116811	07/05/84	Japan			X (Abstract)
	JC	59-163520	09/14/84	Japan			(Abstract Only)
	JD	59-211196	11/29/84	Japan			Title and Clair
	JE	59-211896	11/30/84	Japan			X (Abstract)
	JF	60-000507	01/05/85	Japan			X (Abstract)
	JG	60-76619	05/01/85	Japan			X (Abstract)
	JH	60-131495	07/13/85	Japan			X (Abstract)
	JI	60-174915	09/09/85	Japan			(Abstract Only)
	JK	62-30915	02/09/87	Japan			X (Abstract)
	JL	64-72699	03/17/89	Japan			X (Abstract)
	JM	64-01914	01/06/89	Japan			X (Abstract)
	JN	2-05105	01/10/90	Japan			X (Abstract)
	JO	3-229124	10/11/91	Japan			(Abstract Only)
	JP	5-122768	05/18/93	Japan			X (Abstract)
	JQ	06242192	09/02/94	Japan			X (Abstract)
	JR	7-063586	03/10/95	Japan			X (Abstract)
	JS	07234988	09/05/95	Japan			X (Abstract)
	JT	8-054923	02/27/96	Japan			X (Abstract)
	JU	8-102241	04/16/96	Japan			(Abstract Only)
	JV	8-136386	05/31/96	Japan			X (Abstract)
	JW	8-166309	06/25/96	Japan			X (Abstract)
	JX	8-247076	09/24/96	Japan			(Abstract Only)
	JY	8-313466	11/29/96	Japan			(Abstract Only)
	JZ	2712625	10/31/97	Japan			X

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	KC	07225530	05/1998	Japan			(Abstract Only)
	KD	10-232170	09/02/98	Japan			X
	KE	11-083575	03/26/99	Japan			(Abstract Only)
	KF	DE 32 13 866 A1	10/27/83	Germany			(Abstract Only)
	KG	DE 35 40 204 C1	09/25/86	Germany			X (Abstract)
	KH	DE 40 08 560 A1	09/20/90	Germany			X (Abstract)
	KJ	DE 43 43 747	06/1994	Germany			(Abstract Only)
	KK	DE 44 33 593 A1	06/01/95	Germany			X (Abstract)
	KL	DE 195 02 499 A1	08/01/96	Germany			X (Abstract)
	KM	DE 296 00 609 U1	03/27/97	Germany			X
	KN	DE 197 04 694 A1	08/14/97	Germany			(Abstract Only)
	KO	DE 19930660-A1	07/02/99	Germany			(Abstract Only)
	KP	DE 199 05 071	08/10/00	Germany			(Abstract Only)
	KQ	DE 299 17 651 U1	12/14/00	Germany			X
	KR	DE 100 36 971 A1	02/28/02	Germany			(Abstract Only)
	KS	928,704	06/12/63	United Kingdom			X
	KT	1 534 280	11/29/78	United Kingdom			X
	KU	1 534 288	11/29/78	United Kingdom			X
	KV	2 310 346 A	08/20/97	United Kingdom			X
	KW	2 342 453 A	04/12/00	United Kingdom			X
	KX	2 347 232 A	08/30/00	United Kingdom			X
	KY	2 302 514	09/24/76	France			(Abstract Only)
	KZ	2 334 827	07/08/77	France			(Abstract Only)

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LA	"A TCP\IP Tutorial" by, Socolofsky et al., Spider Systems Limited, January 1991 pp. 1-23.
LB	"Approval Standards For Explosionproof Electrical Equipment General Requirements", Factory Mutual Research, Cl. No. 3615, March 1989, pp. 1-34.
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KD	"Automation On-line" by, Phillips et al., Plant Services, July 1997, pp. 41-45.
LE	"Climb to New Heights by Controlling your PLCs Over the Internet" by, Phillips et al., Intech, August 1998, pp. 50-51.
LF	"CompProcessor For Piezoresistive Sensors" MCA Technologies Inc. (MCA7707), pp. 1-8.
LG	"Ethernet emerges as viable, inexpensive fieldbus", Paul G. Schreier, Personal Engineering, December 1997, p. 23-29.
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LI	"Fieldbus Standard for Use in Industrial Control Systems Part 2: Physical Layer Specification and Service Definition", ISA-S50.02-1992, pp. 1-93.
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LN	"Hypertext Transfer Protocol -- HTTP/1.0" by, Berners-Lee et al., MIT/LCS, May 1996, pp. 1-54.
LO	"Infranets, Intranets, and the Internet" by, Pradip Madan, Echelon Corp, Sensors, March 1997, pp. 46-50.
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MD	"Is There A Future For Ethernet in Industrial Control?", Miclot et al., Plant Engineering, October 1988, pp. 44-46, 48, 50.
ME	LFM/SIMA Internet Remote Diagnostics Research Project Summary Report, Stanford University, January 23, 1997, pp. 1-6.
MF	"Managing Devices with the Web" by, Howard et al., Byte, September 1997, pp. 45-64.
MG	"Modular Microkernel Links GUI And Browser For Embedded Web Devices" by, Tom Williams, pp. 1-2.
MH	"PC Software Gets Its Edge From Windows, Components, and the Internet", Wayne Labs, I&CS, March 1997, pp. 23-32.
MI	Proceedings Sensor Expo, Anaheim, California, Produced by Expocon Managemnet Associates, Inc., April 1996, pp. 9-21.
MJ	Proceedings Sensor Expo, Boston, Massachuttes, Produced by Expocon Management Associates, Inc., May 1997, pp. 1-416.
MK	"Smart Sensor Network of the Future" by, Jay Warrior, Sensors, March 1997, pp. 40-45.
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MO	"The Performance of Control Charts for Monitoring Process Variation," by C. Lowry et al., <u>COMMUN. STATIS. - SIMULA.</u> , 1995, pgs. 409-437.
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NB	"Parallel, Fault-Tolerant Control and Diagnostics System for Feedwater Regulation in PWRs, by E. Eryurek et al., <u>Proceedings of the American Power Conference</u> .
NC	"Programmable Hardware Architectures for Sensor Validation", by M.P. Henry et al., <u>Control Eng. Practice</u> , Vol. 4, No. 10., pgs. 1339-1354, (1996).
ND	"Sensor Validation for Power Plants Using Adaptive Backpropagation Neural Network," <u>IEEE Transactions on Nuclear Science</u> , Vol. 37, No. 2, by E. Eryurek et al. April 1990, pgs. 1040-1047.
NE	"Signal Processing, Data Handling and Communications: The Case for Measurement Validation", by M.P. Henry, <u>Department of Engineering Science, Oxford University</u> .
NF	"Smart Temperature Measurement in the '90s", by T. Kerlin et al., <u>C&I</u> , (1990).
NG	"Software-Based Fault-Tolerant Control Design for Improved Power Plant Operation," <u>IEEE/IFAC Joint Symposium on Computer-Aided Control System Design</u> , March 7-9, 1994 pgs. 585-590.
NH	"A Standard Interface for Self-Validating Sensors, by M.P. Henry et al., <u>Report No. QUEL 1884/91</u> , (1991).
NI	"Taking Full Advantage of Smart Transmitter Technology Now," by G. Orrison, <u>Control Engineering</u> , Vol. 42, No. 1, January 1995.
NJ	"Using Artificial Neural Networks to Identify Nuclear Power Plant States," by Israel E. Alguindigue et al., pgs. 1-4.
NK	"Application of Neural Computing Paradigms for Signal Validation," by B.R. Upadhyaya et al., <u>Department of Nuclear Engineering</u> , pgs. 1-18.
NL	"Application of Neural Networks for Sensor Validation and Plant Monitoring," by B. Upadhyaya et al., <u>Nuclear Technology</u> , Vol. 97, No. 2, Feb. 1992 pgs. 170-176.
NM	"Automated Generation of Nonlinear System Characterization for Sensor Failure Detection," by B.R. Upadhyaya et al., <u>ISA</u> , 1989 pgs. 269-274.
NN	"In Situ Calibration of Nuclear Plant Platinum Resistance Thermometers Using Johnson Noise Methods," <u>EPRI</u> , June 1983.
NO	"Johnson Noise Thermometer for High Radiation and High-Temperature Environments," by L. Oakes et al., <u>Fifth Symposium on Space Nuclear Power Systems</u> , January 1988, pgs. 2-23.
NP	"Development of a Resistance Thermometer For Use Up to 1600°C", by M.J. de Groot et al., <u>CAL LAB</u> , July/August 1996, pgs. 38-41.

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OB	"Noise Thermometry for Industrial and Metrological Applications at KFA Julich," by H. Brixy et al., <u>7th International Symposium on Temperature</u> , 1992.
OC	"Johnson Noise Power Thermometer and its Application in Process Temperature Measurement," by T.V. Blalock et al., <u>American Institute of Physics</u> 1982, pgs. 1249-1259.
OD	"Field-based Architecture is Based on Open Systems, Improves Plant Performance", by P. Cleaveland, <u>I&CS</u> , August 1996, pgs. 73-74.
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OH	"Wavelet Analysis of Vibration, Part I: Theory ¹ ," by D.E. Newland, <u>Journal of Vibration and Acoustics</u> , Vol. 116, October 1994, pgs. 409-416.
OI	"Wavelet Analysis of Vibration, Part 2: Wavelet Maps," by D.E. Newland, <u>Journal of Vibration and Acoustics</u> , Vol. 116, October 1994, pgs. 417-425.
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OL	"A Decade of Progress in High Temperature Johnson Noise Thermometry," by T.V. Blalock et al., <u>American Institute of Physics</u> , 1982 pgs. 1219-1223.
OM	"Sensor and Device Diagnostics for Predictive and Proactive Maintenance", by B. Boynton, <u>A Paper Presented at the Electric Power Research Institute - Fossil Plant Maintenance Conference</u> in Baltimore, Maryland, July 29-August 1, 1996, pgs. 50-1 - 50-6.
ON	"Detection of Hot Spots in Thin Metal Films Using an Ultra Sensitive Dual Channel Noise Measurement System," by G.H. Massiha et al., <u>Energy and Information Technologies in the Southeast</u> , Vol. 3 of 3, April 1989, pgs. 1310-1314.
OO	"Detecting Blockage in Process Connections of Differential Pressure Transmitters", by E. Taya et al., <u>SICE</u> , 1995, pgs. 1605-1608.

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PD	"Fuzzy Logic and Neural Network Applications to Fault Diagnosis", by P. Frank et al., <u>International Journal of Approximate Reasoning</u> , (1997), pgs. 68-88.
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PJ	"Intelligent Behaviour for Self-Validating Sensors", by M.P. Henry, <u>Advances In Measurement</u> , pgs. 1-7, (May 1990).
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QC	<u>Instrument Engineers' Handbook</u> , Chapter IV entitled "Temperature Measurements," by T.J. Claggett, pp. 266-333 (1982).
QD	"emWare's Releases EMIT 3.0, Allowing Manufacturers to Internet and Network Enable Devices Royalty Free," 3 pages, PR Newswire (November 4, 1998).
QE	Warrior, J., "The IEEE P1451.1 Object Model Network Independent Interfaces for Sensors and Actuators," pp. 1-14, Rosemount Inc. (1997).
QF	Warrior, J., "The Collision Between the Web and Plant Floor Automation," 6 th . WWW Conference Workshop on Embedded Web Technology, Santa Clara, CA (April 7, 1997).
QG	Microsoft Press Computer Dictionary, 3 rd Edition, page 124.
QH	"Internal Statistical Quality Control for Quality Monitoring Instruments", by P. Girling et al., <u>ISA</u> , 15 pgs., 1999.
QI	Web Pages from www.triant.com (3 pgs.).
QJ	"Statistical Process Control (Practice Guide Series Book)", <u>Instrument Society of America</u> , 1995, pgs. 1-58 and 169-204.
QK	"Time-Frequency Analysis of Transient Pressure Signals for a Mechanical Heart Valve Cavitation Study," <u>ASAI0 Journal</u> , by Alex A. Yu et al., Vol. 44, No. 5, pgs. M475-M479, (September - October 1998).
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QN	"Quantification of Heart Valve Cavitation Based on High Fidelity Pressure Measurements," <u>Advances in Bioengineering 1994</u> , by Laura A. Garrison et al., BED-Vol. 28, pgs. 297-298 (November 6-11, 1994).
QO	"Monitoring and Diagnosis of Cavitation in Pumps and Valves Using the Wigner Distribution," <u>Hydroacoustic Facilities, Instrumentation, and Experimental Techniques</u> , NCA-Vol. 10, pgs. 31-36 (1991).
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RE	"Progress in Fieldbus Developments for Measuring and Control Application," by A. Schwaier, Sensor and Actuators, pp. 115-119 (1991).
RF	"Ein Emulationssystem zur Leistungsanalyse von Feldbussystemen, Teil 1," by R. Hoyer, pp. 335-336 (1991).
RG	"Simulatore Integrato: Controllo su bus di campo," by Barabino et al., Automazione e Strumentazione, pp. 85-91 (October 1993).
RH	"Ein Modulares, verteiltes Diagnose-Expertensystem für die Fehlerdiagnose in lokalen Netzen," by Jürgen M. Schröder, pp. 557-565 (1990).
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RJ	"Ziele und Anwendungen von Feldbussystemen," by T. Pfeifer et al., pp. 549-557 (10/87).
RK	"PROFIBUS Infrastructure Measures," by Tilo Pfeifer et al., pp. 416-419 (8/91).
RL	"Simulation the Time Behaviour of Fieldbus Systems," by O. Schnelle, pp. 440-442 (1991).
RM	"Modélisation et simulation d'un bus de terrain: FIP," by Song et al, pp. 5-9 (undated).
RN	"Field Bus Networks for Automation Systems Containing Intelligent Functional Unites," by W. Kriesel et al., pp. 486-489 (1987).
RO	"Field Buses for Process Interconnection with Digital Control Systems," Tecnología, pp. 141-147 (1990).
RP	"Decentralised Systems with Real-Time Field Bus," Netzwerke, Jg. Nr.3 v. 14.3, 4 pages (1990).

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FORM PTO-1449	Atty. Docket No.: R11.12-0790	Appl. No.: 10/635,944
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Garrie D. Huisenga	
	Filing Date	Group Art:
	August 7, 2003	2858

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SA	"Process Measurement and Analysis," by Liptak et al., Instrument Engineers' Handbook, Third Edition, pp. 528-530, (1995).
SB	"Improving Dynamic Performance of Temperature Sensors With Fuzzy Control Techniques," by Wang Lei et al., pp. 872-873 (1992).
SC	"Microsoft Press Computer Dictionary" 2nd Edition, 1994, Microsoft Press. p. 156
SD	Copy of International Search Report from Application Number PCT/US01/40791 with international filing date of May 22, 2001.
SE	Copy of International Search Report from Application Number PCT/US01/40782 with international filing date of May 22, 2001.
SF	Copy of International Search Report from Application Number PCT/02/14560 with international filing date of May 8, 2002.
ZG	Copy of International Search Report from Application Number PCT/US02/14934 with international filing date of May 8, 2002.
SH	"On-Line Tool Condition Monitoring System With Wavelet Fuzzy Neural Network," by Li Xiaoli et al., pp. 271-276 (1997).
SI	"Optimal Design of the Coils of An Electromagnetic Flow Meter," by Michalski, A. et al., IEEE Transactions on Magnetics, Vol. 34, Issue 5, Part 1, pp. 2563-2566 (1998).
SJ	"Magnetic Fluid Flow Meter for Gases," Popa, N.C., IEEE Transactions on Magnetics, Vol. 30, Issue 2, Part 1-2, pp. 936-938 (1993).
SK	"New Approach to A Main Error Estimation for Primary Transducer of Electromagnetic Flow Meter," by Michalski, A., IEEE Instrumentation and Measurement Technology Conference Proceedings, Vol. 2, pp. 1093-1097 (1998).
SL	"Additional Information From Flowmeters Via Signal Analysis," by Amadi-Echendu, J.E. et al., IEEE Instrumentation and Measurement Technology Conference Record, Vol. 7, pp. 187-193 (1990).
SM	Copy of International Search Report from Application Number PCT/US02/06606 with international filing date of March 5, 2002.
SN	Copy of International Search Report from Application Number PCT/US02/30465 with international filing date of September 25, 2002.
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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
TA	4,630,265	12/15/86	Sexton	370	85	
TB	5,434,774	07/18/95	Seberger	364	172	
TC	5,555,190	09/10/96	Derby et al.	364	510	
TD	6,023,399	02/08/00	Kogure	361	23	
TE	6,209,048	03/27/01	Wolff	710	62	
TF	6,272,438	08/07/01	Cunningham et al.	702	56	
TG	6,370,448	04/09/02	Eryurek	700	282	
TH	6,377,859	04/23/02	Brown et al.	700	79	
TI	6,473,656	10/29/02	Langels et al.	700	17	
TJ	6,317,701	11/13/01	Pyostsia et al.	702	188	
TK	6,307,483	10/23/01	Westfield et al.	340	870.11	
TL	6,061,603	05/09/00	Papadopoulos et al.	700	83	
TM	2002/0013629	01/31/02	Nixon et al.			

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TN	WO 00/41050	07/13/00	WIPO			X
TO	WO 01/77766	10/18/01	WIPO			X
TP	WO 02/27418	04/04/02	WIPO			X

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TU	

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UD	5,654,869	08/05/97	Ohi et al.	361	540	
UE	6,405,099	6/11/02	Nagai et al.	700	159	
UF	2002/0145568	10/10/02	Winter	343	701	
UG	4,926,364	5/15/90	Brotherton	364	581	
UH	5,340,271	8/23/94	Freeman et al.	415	1	
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UJ	5,764,539	6/9/98	Rani	364	557	
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UL	6,480,793	11/12/02	Martin	702	45	
UM	2003/0045962	3/6/03	Eryurek et al.	700	128	
UN	2003/0033040	2/13/03	Billings	700	97	
UO	4,540,468	9/10/85	Genco et al.	162	49	
UP	5,150,289	9/22/92	Badavas	364	154	
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US	06-248224	10/14/94	Japan			X
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UV	"What is a weighted moving average?", DAU STAT REFRESHER, http://cne.gmu.edu/modules/dau/stat/mvavgs/wma_bdy.html . (1995).
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WB	6,182,501	2/6/01	Furuse et al.	73	49.2	
WC	5,825,664	10/1998	Warrior et al.	700	7	
WD	6,539,267	3/2003	Eryurek et al.	700	51	
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WT						
WU						

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